

# SAE MILWAUKEE

An SAE International Section

## Upcoming Events

### Modine Manufacturing Company

- September 21<sup>st</sup>
- Celebrating Modine's 100-year anniversary

### Future events

- October 5<sup>th</sup> – Milwaukee Electric Tool Corporation
- November – Student Night

## August 2016 SAE Newsletter

### September Event:



September 21<sup>st</sup>  
4:30pm

1500 DeKoven Ave,  
Racine, WI

## About the Event

Modine, with fiscal 2016 revenues of \$1.4 billion, specializes in thermal management systems and components, bringing highly engineered heating and cooling technology and solutions to diversified global markets. Modine products are used in light, medium and heavy-duty vehicles, heating, ventilation and air conditioning equipment, off-highway and industrial equipment and refrigeration systems. Modine is a global company headquartered in Racine, Wisconsin (USA), with operations in North America, South America, Europe, Asia and Africa. For more information about Modine, visit [www.modine.com](http://www.modine.com).

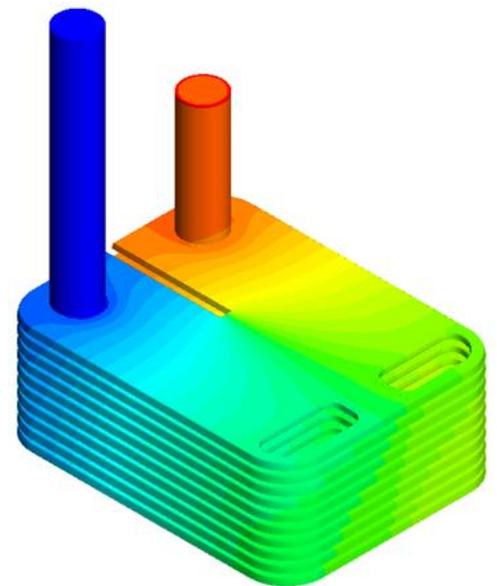
This event coincides with Modine's year-long 100<sup>th</sup> anniversary celebration. They are excited for this opportunity to host this event as a part of that celebration!

## About the presenter

Kyle Shisler is a product engineer in the Engine Products Group. He is responsible for some of the new product offerings for hybrid electric vehicles (HEVs) and battery electric vehicles (BEVs). He is a graduate of UW-Platteville. As a student, he was a member of the Formula SAE team, including the role as Co-Captain.

## About the presentation

Kyle will be presenting on thermal management of BEVs. As Modine has worked with the BEV manufacturers it has been very interesting for them to learn the different needs and load conditions of the vehicles. The presentation will include an overview of the system architectures and how Modine products are used to meet the new requirements.



**Note:** Modine will utilize specific entry requirements for each visitor to the Racine campus for this event. These are driven in part by their status as a government contractor. These requirements include presentation of official photo identification; response to citizenship inquiry; and indication of employer, if any. Modine reserves the right to refuse entry to employees of Modine competitors. Thank you for your cooperation and understanding.

## Event Agenda

Registration .....	4:30pm-6:00pm
Tours .....	5:00pm-6:00pm
Dinner .....	6:00pm-7:00pm
Presentation.....	7:00pm-8:00pm

## Registration Fees

SAE Members .....	\$25
Retirees .....	\$15
Guests/Non-members.....	\$35
Students .....	\$5

## Registration

**Registration Deadline:** September 18th

**Maximum Attendance:** 100

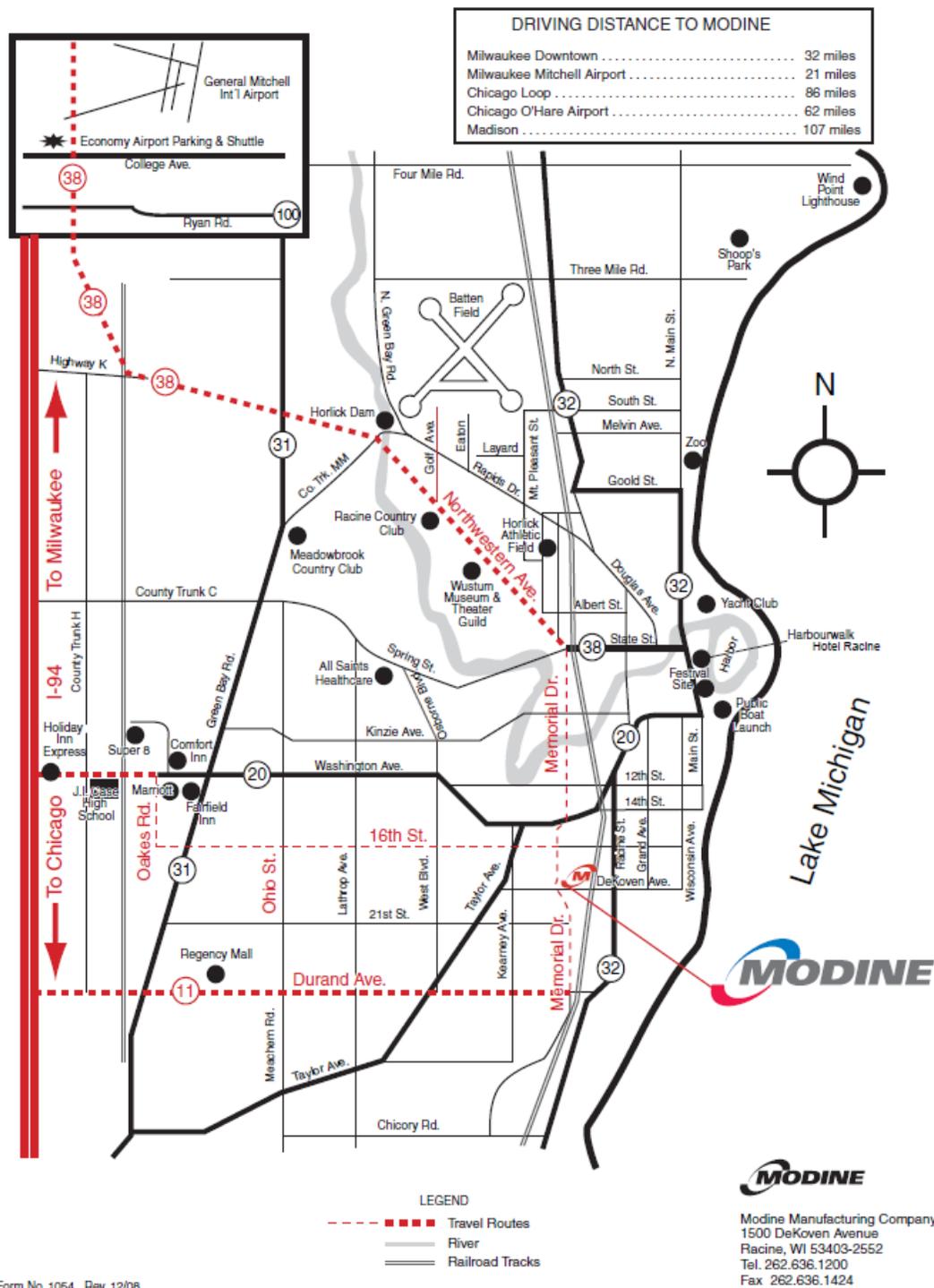
### **Ways to Register:**

- Online with a charge card via [www.milwaukeeesae.com](http://www.milwaukeeesae.com)
- By phone: Garrett Herning (262) 309-3622
- By email: Garrett Herning [garreth@pwrst.com](mailto:garreth@pwrst.com)

**Registration required – no walk-ins allowed**

Dinner will consist of Chicken Parmigianino, Side Salad and dessert. A vegetarian option can be provided with 3-day advance notice to Drew Boyer ([A.M.Boyer@na.modine.com](mailto:A.M.Boyer@na.modine.com)).

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Form No. 1054 Rev. 12/08

When visiting the Racine campus, to proceed past the Security Station, please:

1. Present photo identification, such as a state-issued photo Identity Card, a Driver's License and/or a Passport;
2. Declare, on the sign-in sheet, whether or not you are a U.S. citizen or Green Card holder
3. State, on our sign-in sheet, your employer (if any).

# Board Member Spotlight

Cara Kazda – Webmaster

Greetings! My name is Cara Kazda and I've been involved in SAE since 2001 (wow, going on 15 years now!) My journey with SAE started as a student at the Milwaukee School of Engineering (MSOE), where I quickly became enamored with the Formula SAE (FSAE) program. Throughout my Junior year I learned what I could from the Senior FSAE team and they graciously allowed me tag along with them to competition. With my passion for all things motorsports, I clearly knew that FSAE was what I wanted to do as my Senior design project. The summer before Senior year I traveled with the 2004 team to visit sponsors and participated in various track test sessions, which all led up to me being chosen team captain of the 2005 MSOE FSAE team. I highly value my time working on the FSAE team and the lessons I learned as a result of it. I feel it played an instrumental role in helping me get the job I have today. SAE has some remarkable collegiate programs which provide hands-on, real-life, practical training for what life as an engineer will be like.



I graduated MSOE in 2005 with a Bachelor's degree in Mechanical Engineering. I went on to take a position as Product Development Engineer at Cummins Filtration (formerly Fleetguard) in Stoughton, Wisconsin. In 2010 I decided to return to MSOE to get my Master's Degree in New Product Management and have since moved into the role of Engineering Project Manager, still within Cummins Filtration. I have the pleasure each day of managing an assortment of air filtration, crankcase ventilation, and fuel filtration projects which apply to a variety of Cummins engines, as well as other OE customers.

While somewhat distant geographically from the Milwaukee Section (about a two-hour drive), I am able to participate on the Milwaukee Section SAE board as webmaster. I appreciate the opportunity to be involved in SAE and have enjoyed being a part of sharing the Milwaukee Section SAE news and events with the membership. Be sure to check out the Milwaukee Section SAE website at [www.milwaukeesae.com](http://www.milwaukeesae.com)!

Aside from work and SAE, I am an avid NASCAR and sports car racing fan. I participate on an SCCA race team which has run an assortment of racecars at either Road America or Black Hawk Farms. If not at the race track, a typical weekend for me includes hiking/trail riding, photography, or volunteering with our family-run non-profit organization.

# Milwaukee Section 2016-2017 Governing Board

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## SAE Board Member Shadow Program

Members, your board of directors has created a new way for you to get involved in the activities of the SAE Milwaukee Section!

Do you like the service and support that your SAE Milwaukee Section provides to you? Do you have some fresh ideas to make your section better? Or.....would you like to just get involved?

If you would like to participate but do not know how to get started, we have the program for you. This new program allows you to shadow a board member to learn the details of what they do for this section. With this opportunity you can investigate/help a position that interests you without jumping in with both feet. This will allow you to participate to the level you are comfortable with or find the position that suits your talents and/or interests.

***We would like to invite you to Shadow a Board Member.***

If you are interested in this opportunity, please contact Randy Hoffman at (920) 397-6644.



# SAE Milwaukee STEM/AWIM program

Your Milwaukee Section needs your help with expanding the AWIM program within the local schools. AWIM (A World In Motion) is a teacher-administered, volunteer-assisted program that brings Science, Technology, Engineering and Math (STEM) education to life for K-12 grade students. Program focuses on various age-appropriate challenges that are taught through the use of “kits” – students build different models using these kits while learning about basic principles of physics, motion and flight.

We have paired up with Messmer Prep and St. Rose/St. Leo schools in Milwaukee and will be introducing the AWIM program there



- Both schools are part of the Messmer Catholic Schools and serve the inner city students through a Voucher/Choice program
- This is **first time** a program of this kind is being introduced at Messmer – the program was **specifically requested by teachers** there to inspire girl students and encourage them to pursue STEM subjects later in their educational career
- AWIM program to be introduced for 4<sup>th</sup> and 5<sup>th</sup> grade students at both schools, with a focus on all 3 elementary and one middle school challenge
- **We want YOUR help** in assisting students in Fall and Spring sessions in after-school program setting (~ 3:30 – 5:00 pm)
- **For more information on volunteering, please contact Negin Salami, [negin.salami@jci.com](mailto:negin.salami@jci.com)**

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